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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG,  
ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE,  
DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT,  
RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/IB 03/03807

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J61/30 H01J61/12 H01J61/82

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 201 06 002 U (PATRA PATENT TREUHAND) 28 June 2001 (2001-06-28) page 4, line 22 - line 23 page 6, line 6 - line 9 figure 1	1-10
A	WO 97/42651 A (PHILIPS ELECTRONICS NV ; PHILIPS NORDEN AB (SE)) 13 November 1997 (1997-11-13) page 10, line 33 - page 11, line 16	1-10
A	US 6 404 129 B1 (MULLER HERMAN ET AL) 11 June 2002 (2002-06-11) column 4, line 18 - line 37; figure 2	1-10
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

International A on No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/070668 A1 (LEVIS MAURICE E ET AL) 13 June 2002 (2002-06-13) paragraphs '0030!, '0082!, '0098!, '0101!; figure 2B -----	1-10
A	EP 1 063 681 A (STANLEY ELECTRIC CO LTD) 27 December 2000 (2000-12-27) page 4, line 27 - line 28 -----	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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